

ABSTRACT OF THE DISCLOSURE

A corrosion resistant multi-layer tube
comprises a metal tube; a zinc layer bonded to the metal
tube outer surface; a surface treatment layer bonded to
5 the zinc layer; a priming layer; a first polymeric layer
bonded to the priming layer; a second polymeric layer
bonded to the first polymeric layer. A process for
manufacturing the tube comprises the step of extruding
multiple layers of a melt-processible thermoplastic to a
10 pretreated metal tube having an external surface with at
least a zinc based coating, a sealant coating on top of
the zinc based coating, and a primer coating on top of
the sealant coating. The primer coating is preferably
applied by an airless spray system in a closed
15 atmosphere, wherein substantially no volatile organic
compounds escape into the atmosphere. The polymeric
layer(s) remain adhered to the metal tube, even when
exposed for prolonged periods to aggressively corrosive
environments.